ABSTRACT

A refrigeration apparatus (10) includes: a refrigerant circuit (20) provided with a variable-opening expansion valve (13); and a valve control means (33) for controlling the opening of the expansion valve (13) by outputting to the expansion valve (13) an opening command value equal to or larger than a lower limit command value. During operation of a refrigeration cycle and in a lower-limit-controlled state in which the opening command value is equal to the lower limit command value, the valve control means (33) performs a first determination operation of determining whether the refrigerant flow through the expansion valve (13) is in an excessively large amount state or not based on a condition of refrigerant between the expansion valve (13) and the suction side of a compressor (11), and corrects the lower limit command value to a smaller value if the determination result in the first determination operation is that the refrigerant flow through the expansion valve (13) is in an excessively large amount state.